IPMI Firmware Release Notes

Product Name	**X12SPi-TF**
Release Version	**1.01.45**
Build Date	**6/5/2023**
Previous Version	**1.01.36**
Update Category	**Recommended**
Dependencies	**None**
Important Notes	**None**
Enhancements	1. **Syslog packet did not follow the RFC3164 Copy Project Issue Link.** 2. **Better compatibility with IPMIECO TC0002, 2036, TC2063, and TC2076.**
New features	**None**
Fixes	1. **MEL log description did not match the SNMPv3 Auth Protocol/ Private Protocol.** 2. **Successfully deleting IPv6 DNS will always create an "IPV6 DNS server 0:0:0:0:0:0:0:0 was deleted unsuccessfully" entry in the Maintenance Event Log.**

	3. DDNS can send multiple requests simultaneously that cause switchers to get out of shape. 4. Radius packet did not follow RFC2865. 5. Global buffer read overflow at X13 and X12 redfish (/redfish/v1/Chassis/NVMeSSD.0.Group.0.StorageBackplane/Drives/Disk.Bay.{num}). 6. Network IPv6 saving DNS Server IP as blank reverts to previous value; Auto Configuration fails to switch on once switch off. 7. Able to click blink or insert HDD button when system lockdown mode. [153387] ECO -- 18380 -- 1.01.11 -- System Lockdown SystemLockdown Storage Monitoring Physical View Eject / Insert button is not disabled. 8. It's a conflict checking rule on "Remote User" and "Remote Groups" while click on "Save" button in AD/LDAP. 9. Syslog packet not follow RFC3164. 10. No pop-out error message when typing the wrong string at SNMPv2 Name field. 11. Redfish Automation 1 failed. 12. Network IPv6 saving DNS Server IP as blank reverts to previous value; Auto Configuration fails to switch on once switch off. 13. Disabled TLSv1.0 and TLSv1.1 14. UI Dashboard BIOS Firmware Version shows as 1.4b when it should be 1.5. 15. Component Info: Expanded PSU Table Text Inconsistency. 16. SUM tool couldn't get the BIOS build date, but the web and SMCIPMITool, it displayed correctly. 17. Failed to add valid Prefix length 128 for Static Route List. 18. No MEL log after configure the Mouse Mode setting. 19. Sensor reading did not match with the specs. (Supermicro_BMC_Sensor_Naming_Guildeline_2.4_Draft_03062023.xlsx).

01.01.36 (12/8/2022)

1. *i2cmap protection review.*
2. *Improved the stability of BIOS related ROT operations.*
3. *Avoid ME hang during BIOS-cloning Golden operation.*
4. *Sensor names does not match with SPEC.*
5. *Modified Dedicated Link options: Added 1G Full and remove 10M Half/Full except X12STD-F and X12STE-F. X12STD-F Dedicated Link is fixed in Auto Negotiation. X12STE-F Dedicated Link is fixed in 1G Full.*
6. *Previously assigned hotkey is entered after invalid input despite resetting to default.*

01.01.24 (7/01/2022)

1. *Enabled i2cmap protection feature.*
2. *Improved BMC boot stability.*
3. *Standard -- 16914 -- 1.1.23 -- Active Directory Remote Group character cap too short.*
4. *Validated i2cmap feature during eco this validation process.*
5. *Power Average Usage reading value is higher than Max Peak value under Power Consumption.*
6. *VROC RAID status still shows OK even when RAID has been downgraded.*
7. *Special query caused 500 Internal Server Error at X12 redfish ($expand).*
8. *Fixed judgment mechanism for network AOC health status.*
9. *Inconsistent behavior between BMC and BIOS manual recovery.*
10. *Help - information isn't in sync with newest spec.*
11. *Maintenance event log display error at /cgi/op.cgi (config_smtp).*

01.01.17 (3/04/2022)

1. *Added an option in the BMC UI to create disabled user or edit user to disable.*
2. *Storage feature, broken in 01.01.10.*
3. *Prevent specific text strings that could brute force the BMC directory.*
4. *IPMItool can set LAN mode out of range.*
5. *Grey out "Create RAID" icon if no more physical drive available to create new RAID volume.*
6. *Can't sync NTP server when BMC has IPv6 DNS.*
7. *Password is deemed invalid if it contains a backslash "\".*
8. *Cross-scripting (XSS) attack vulnerability at Notification Alert Redfish protocol.*
9. *Maintain fan speed at BMC fwUP, and during BMC reset.*
10. *Max number of SEL up to 4096.*
11. *IPMI ECO Update BIOS failure.*
12. *All Broadcom AOC controllers such as 3008, 3616, 38xx and 39xx are not discoverable.*
13. *IPMI will record Drive Fault log when using Seagate ST4000NM003A SAS hard drive and AOC-S3816L-L16IT.*
14. *Unspecified Event Log Assertion When AC ON.*
15. *iKVM (JAVA plug-in/HTML5) should support IMA file type.*
16. *GPUs missing under GPU tab in IPMI Web GUI, GPU and CPU liquid cooling pump SEL error in Liquid cooled system, and no GPUs detected.*
17. *Add SNMP type user does not have an asterisk* to inform Auth Key and Private Key are required items.*

18. *Language Change title string is not translated.*
19. *Improve PSU initialization code, add delay and retries.*
20. *Create new user on web UI should not get an error, even if the user ID matches on NoAccess user list.*
21. *It should not present a "Delete" icon while logged in as "Operator" or "User" privileges account.*
22. *No GPU found on WEB BMC.*
23. *Redfish API Automation test failure.*
24. *Pop up error message during mount failure and Event log are incorrect.*
25. *Mount *.img displays wrong file type on Java iKVM Virtual Media.*
26. *Updating invalid FW will show MEL message when updating BIOS and CPLD.*

1.73.14 (11/9/2021)

1. *Fixed broken SUM inband feature.*
2. *Disabled creation and activation of a null user and password.*
3. *Fixed problem of BMC crashing and restart being forced due to malicious data transmission.*
4. *Fixed problem of NTP showing failure message after setting.*
5. *Fixed mismatch of TEE OS 0x42 error message on IPMI MEL and "Kernel code segment (offset: ##) was compromised."*
6. *Fixed issue of system with AST2600 hanging when running DC on/off testing with Red Hat 8.3.*
7. *Improved compatibility with Redfish ATT after applying the security patches.*
8. *Set fan speed to maintain during BMC fwUP and BMC reset.*

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Product Manager   *Date*